

Class VI UIC Project Information Tracking

This submission is for:

Project ID: R09-CA-0002

Project Name: Mendota BECCS Project

Current Project Phase: Pre-Injection Prior to Construction

General Information

Number of proposed Class VI wells: 1

Brief description of the project: A preliminary technical analysis was completed to prepare a Class VI preconstruction permit application (EPA, Class VI Guidance Documents, 2019) for the Mendota Site. An evaluation of the geologic, hydrogeologic, and AoR delineation has been developed using available public and purchased well and 2D seismic data. The evaluation identified a storage complex suitable to receive and contain injected CO₂ (the Second Panoche sand and First Panoche shale) beneath the Mendota site. Dynamic simulation of the CO₂ plume over 20 years injection (350,000 tonnes/year) shows that the storage complex could support permanent and safe sequestration of CO₂ in the subsurface. The project plans to acquire site specific data (characterization well, 3D seismic, groundwater, etc.) in future phases of the project prior to injection to finalize injection and monitoring plans which support the protection of USDWs.

Underground Injection Control (UIC) Program under Safe Drinking Water Act (SDWA)

Description: CES Mendota Pre-Construction Permit Application

Facility and Owner/ Operator Information

Facility name: CLEAN ENERGY SYSTEMS MENDOTA

Facility mailing address: 3035 Prospect Park Dr., Suite 120 Rancho Cordova, CA 95670 United States

Facility location: Latitude: 36.75585 Longitude: -120.364404

Up to four Standard Industrial Classification (SIC) codes for the products/services provided by the facility: 2813

Facility located on Indian lands: No

Facility contact information

Contact person: Rebecca Hollis

Contact's business phone number: 916 - 638 - 7967

Contact's business email: rhollis@cleanenergysystems.com

Operator's name: CLEAN ENERGY SYSTEMS, INC.

Operator's business address: 3035 Prospect Park Drive, Suite 120 Rancho Cordova, CA 95670 United States

Operator's business phone number: 916 - 638 - 7967

Operator's status: Private

Ownership status: Owner

Initial Permit Application

Permit Application Narrative: https://epa.velo.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R09-CA-0002/Phase1-PreConstruction/ProjInfo-09-22-2021-1519/146.82a_Narrative_CBI_Removed.pdf

https://epa.velo.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R09-CA-0002/Phase1-PreConstruction/ProjInfo-09-22-2021-1519/Narrative_CBI_removed_92121.pdf

Proposed project plans, submitted with the Project Plan Submission module:

An Area of Review (AoR) and Corrective Action Plan

A Testing and Monitoring Plan

A Well Plugging Plan

A Post-Injection Site Care (PISC) and Site Closure Plan

An Emergency and Remedial Response Plan

Computational modeling information, submitted with the Area of Review Computational Modeling module

A financial responsibility demonstration, submitted with the Financial Responsibility Demonstration module

A proposed pre-operational logging and testing program, submitted with the Pre-Operational Testing module

Other Required Information: https://epa.velo.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R09-CA-0002/Phase1-PreConstruction/ProjInfo-09-22-2021-1519/Att-A-----Summary--of--Requirements--and--Att-G--Construction--Details.pdf

https://epa.velo.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R09-CA-0002/Phase1-PreConstruction/ProjInfo-09-22-2021-1519/Att-A-----Summary--of--Requirements_92121.pdf

Updated Information

Complete Submission

Authorized submission made by: Rebecca Hollis

Comments regarding this submission: Submitting revised application attachments per EPA Information Request #7.

For confirmation a read-only copy of your submission will be emailed to: rhollis@cleanenergysystems.com